

PCT Patent Application
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CLAIMS

- Sub B19
1. A promoter comprising the following DNA (a) or (b), characterized in that it is capable of functioning in plant cells:
- (a) DNA comprising the nucleotide sequence shown in SEQ ID No:1 or SEQ ID No:7, or
 - (b) DNA comprising a nucleotide sequence in which one or more bases are deleted, substituted, or added in the nucleotide sequence shown in SEQ ID No: 1 or SEQ ID No:7, and which has more than 90% identity to the nucleotide sequence of any region consisting of 250 bp or more within the nucleotide sequence shown in SEQ ID No:1 or SEQ ID No:7, wherein said DNA has promoter functions equivalent to those of the above DNA (a).
2. A terminator comprising the following DNA (a) or (b), characterized in that it is capable of functioning in plant cells:
- (a) DNA comprising the nucleotide sequence shown in SEQ ID No:2, or
 - (b) DNA comprising a nucleotide sequence in which one or more bases are deleted, substituted, or added in the nucleotide sequence shown in SEQ ID No:2 and which has more than 90% identity to the nucleotide sequence of any region consisting of 250 bp or more within the nucleotide sequence shown in SEQ ID No:2, wherein said DNA has terminator functions equivalent to those of the above DNA (a).
- Sub B19
3. A chimeric gene characterized in that it comprises a promoter of claim 1 and a desired gene linked to each other in the form capable of functioning.

4. A chimeric gene characterized in that it comprises a promoter of claim 1, a desired gene, and a terminator of claim 2 linked to each other in the form capable of functioning.
5. A vector characterized in that it contains a promoter of claim 1.
6. A vector characterized in that it contains a promoter of claim 1 and a desired gene.
7. A vector characterized in that it contains a promoter of claim 1, a desired gene, and a terminator of claim 2.
8. A method of producing a transformant, characterized in that it comprises a step in which any one of a promoter of claim 1, a chimeric gene of claim 3 or 4 and a vector of claim 5, 6 or 7 is introduced into a host cell.
9. A transformant characterized in that it carries any one of a promoter of claim 1, a chimeric gene of claim 3 or 4, and a vector of claim 5, 6 or 7, introduced into the host cell.
10. A transformant of claim 9 characterized in that the host cell is a microbial cell or a plant cell.
11. A method of expressing a gene, characterized in that it comprises a step in which a promoter of claim 1 and a desired gene located downstream from said promoter are placed in a host cell, and a step in which the desired gene is expressed in the host cell under the control of said promoter.
12. A method of expressing a gene, characterized in that it comprises a step in which a terminator of claim 2 and a desired gene located upstream from said terminator are placed in a host cell, and a step in which the desired gene is expressed in the host cell under the control of said terminator.